

2015 Financial Assurance Estimate Form

(Basic form)

PCD Project No. PPR-18-044

Project Information

Lot 13, Claremont Business Park Fil.No. 2

11/5/2018

Project Name

Date

Section 1 - Grading and Erosion Control BMPs

	Quantity	Units	Price		
Earthwork*	800.00	CY	@ \$5	=	\$ 4,000.00 *
Permanent Seeding*	0.40	AC	@ \$582	=	\$ 232.80 *
Mulching*	0.40	AC	@ \$507	=	\$ 202.80 *
Permanent Erosion Control Blanket*		SY	@ \$8	=	\$ *
Temporary Erosion Control Blanket		SY	@ \$3	=	\$
Vehicle Tracking Control	1.00	EA	@ \$1,625	=	\$ 1,625.00
Safety Fence		LF	@ \$3	=	\$
Silt Fence	200.00	LF	@ \$4	=	\$ 800.00
Temporary Seeding	0.40	AC	@ \$485	=	\$ 194.00
Temporary Mulch		AC	@ \$507	=	\$
Erosion Bales		EA	@ \$21	=	\$
Erosion Logs		LF	@ \$6	=	\$
Rock Ditch Checks		EA	@ \$	=	\$
Inlet Protection	1.00	EA	@ \$153	=	\$ 153.00
Sediment Basin		EA	@ \$1,625	=	\$
Concrete Washout Basin	1.00	EA	@ \$776	=	\$ 776.00
		@	\$	=	\$
Specified items subject to defect warranty financial assurance					
Section 1 Subtotal				=	\$ 7,983.60

Section 2 - Public Improvements**

	Quantity	Units	Price		
- Roadway Improvements					
Construction Traffic Control		LS	@ \$	=	\$
Aggregate Base Course		Tons	@ \$18	=	\$
Asphalt Pavement		Tons	@ \$65	=	\$
Raised Median, Paved		SF	@ \$7	=	\$
Electrical Conduit, Size =		LF	@ \$14	=	\$
Traffic Signal, complete intersection		EA	@ \$250,000	=	\$
Regulatory Sign		EA	@ \$100	=	\$
Advisory Sign		EA	@ \$100	=	\$
Guide/Street Name Sign		EA	@ \$	=	\$
Epoxy Pavement Marking		SF	@ \$12	=	\$
Thermoplastic Pavement Marking		SF	@ \$22	=	\$
Barricade - Type 3		EA	@ \$115	=	\$
Delineator (Type I)		EA	@ \$21	=	\$
Curb and Gutter, Type C (Ramp)		LF	@ \$21	=	\$
Curb and Gutter, Type A (6" Vertical)		LF	@ \$16	=	\$
Curb and Gutter, Type B (Median)		LF	@ \$13	=	\$
Pedestrian Ramp		SY	@ \$108	=	\$

Cross Pan		SY	@	\$	\$53	=	\$
Curb Chase		EA	@	\$	\$1,300	=	\$
Guardrail Type 3 (W-Beam)		LF	@	\$	\$18	=	\$
Guardrail Type 7 (Concrete)		LF	@	\$	\$67	=	\$
Guardrail End Anchorage		EA	@	\$	\$1,978	=	\$
Guardrail Impact Attenuator		EA	@	\$	\$3,564	=	\$
Sound Barrier Fence		LF	@	\$	\$100	=	\$

- Storm Drain Improvements

Concrete Box Culvert (M Standard), Size (W x H)		LF	@	\$		=	\$
Reinforced Concrete Pipe (RCP) Size		LF	@	\$		=	\$
18" Reinforced Concrete Pipe		LF	@	\$	\$69	=	\$
24" Reinforced Concrete Pipe		LF	@	\$	\$84	=	\$
30" Reinforced Concrete Pipe		LF	@	\$	\$94	=	\$
36" Reinforced Concrete Pipe		LF	@	\$	\$124	=	\$
42" Reinforced Concrete Pipe		LF	@	\$	\$134	=	\$
48" Reinforced Concrete Pipe		LF	@	\$	\$178	=	\$
54" Reinforced Concrete Pipe		LF	@	\$	\$182	=	\$
60" Reinforced Concrete Pipe		LF	@	\$	\$216	=	\$
66" Reinforced Concrete Pipe		LF	@	\$	\$263	=	\$
72" Reinforced Concrete Pipe		LF	@	\$	\$283	=	\$
Corrugated Steel Pipe (CSP) Size		LF	@	\$		=	\$
18" Corrugated Steel Pipe		LF	@	\$	\$66	=	\$
24" Corrugated Steel Pipe		LF	@	\$	\$96	=	\$
30" Corrugated Steel Pipe		LF	@	\$	\$101	=	\$
36" Corrugated Steel Pipe		LF	@	\$	\$136	=	\$
42" Corrugated Steel Pipe		LF	@	\$	\$147	=	\$
48" Corrugated Steel Pipe		LF	@	\$	\$169	=	\$
54" Corrugated Steel Pipe		LF	@	\$	\$193	=	\$
60" Corrugated Steel Pipe		LF	@	\$	\$227	=	\$
66" Corrugated Steel Pipe		LF	@	\$	\$278	=	\$
72" Corrugated Steel Pipe		LF	@	\$	\$330	=	\$
78" Corrugated Steel Pipe		LF	@	\$	\$381	=	\$
84" Corrugated Steel Pipe		LF	@	\$	\$432	=	\$
Flared End Section (FES) RCP †		EA	@	\$		=	\$
Flared End Section (FES) CSP †		EA	@	\$		=	\$
End Treatment- Headwall		EA	@	\$		=	\$
End Treatment- Wingwall		EA	@	\$		=	\$
End Treatment - Cutoff Wall		EA	@	\$		=	\$
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	@	\$	\$3,791	=	\$
Curb Inlet (Type R) L=5', 5'-10' Depth		EA	@	\$	\$5,044	=	\$
Curb Inlet (Type R) L =5' , 10'-15' Depth		EA	@	\$	\$6,027	=	\$
Curb Inlet (Type R) L =10', Depth < 5 feet		EA	@	\$	\$5,528	=	\$
Curb Inlet (Type R) L =10' , 5'-10' Depth		EA	@	\$	\$6,694	=	\$
Curb Inlet (Type R) L =10' , 10'-15' Depth		EA	@	\$	\$7,500	=	\$
Curb Inlet (Type R) L =15' , Depth < 5 feet		EA	@	\$	\$7,923	=	\$
Curb Inlet (Type R) L =15' , 5'-10' Depth		EA	@	\$	\$8,000	=	\$
Curb Inlet (Type R) L =15' , 10'-15' Depth		EA	@	\$	\$8,800	=	\$
Curb Inlet (Type R) L =20' , Depth < 5 feet		EA	@	\$	\$8,000	=	\$
Curb Inlet (Type R) L =20' , 5'-10' Depth		EA	@	\$	\$8,830	=	\$
Curb Inlet (Type R) L = _____ , _____' - _____' Depth		EA	@	\$		=	\$
Curb Inlet (Type R) L = _____ , _____' - _____' Depth		EA	@	\$		=	\$

Grated Inlet (Type C), < 5' deep	EA	@	\$	\$3,270	=	\$
Grated Inlet (Type D), < 5' deep	EA	@	\$	\$3,908	=	\$
Storm Sewer Manhole, Box Base, Depth < 15 feet	EA	@	\$	\$8,592	=	\$
Storm Sewer Manhole, Slab Base, Depth < 15 feet	EA	@	\$	\$4,575	=	\$
Geotextile (Erosion Control)	SY	@	\$	\$5	=	\$
Rip Rap, d50 Size from 6" to 24"	CY	@	\$	\$98	=	\$
Rip Rap, Grouted	CY	@	\$	\$215	=	\$
Drainage Channel Construction, Size (W x H)	LF	@	\$		=	\$
Channel Lining, Concrete	CY	@	\$	\$450	=	\$
Channel Lining, Rip Rap	CY	@	\$	\$98	=	\$
Channel Lining, Grass	AC	@	\$	\$1,287	=	\$
Channel Lining, Other Stabilization	SY	@	\$	\$3	=	\$
Detention Outlet Structure	EA	@	\$		=	\$
Detention Emergency Spillway	EA	@	\$		=	\$
Permanent Water Quality Facility (Describe)	EA	@	\$		=	\$

**all items this section subject to defect warranty financial assurance. + For flared end sections, multiply pipe LF cost by 6

Section 2 Subtotal: = \$ **

**Section 3 - Common Development Improvements
(Private or District)*****

- Roadway Improvements

(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)

Concrete Sidewalk	SY	@	\$	=	\$
Curb and Gutter, Type B (6" Vertical)	LF	@	\$	=	\$
Aggregate Base Course		@	\$	=	\$

- Storm Drain Improvements

(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)

Permanent WQ Facility (Grading)	1.00	EA	@	\$	=	\$
Subsurface WQ Storm Facility	1.00	EA	@	\$	=	\$
Class C Filter Material		CY	@	\$	=	\$
Reinforced Vertical Concrete Walls	8.00	CY	@	\$	=	\$

- Water System Improvements

Water Main Pipe (PVC), Size 8"	LF	@	\$	=	\$
Water Main Pipe (Ductile Iron), Size 8"	LF	@	\$	=	\$
Gate Valves, 8"	EA	@	\$	=	\$
Fire Hydrant Assembly w/ all valves	EA	@	\$	=	\$
Water Service Line Installation, inc. tap & valves	EA	@	\$	=	\$
Fire Cistern Installation, complete	EA	@	\$	=	\$

- Sanitary Sewer Improvements

Sewer Main Pipe (PVC), Size 8"	LF	@	\$	=	\$
Sanitary Sewer Manhole, Depth < 15 feet	EA	@	\$	=	\$
Sanitary Service Line Installation, complete	EA	@	\$	=	\$
Sanitary Sewer Lift Station, complete	EA	@	\$	=	\$

- Landscaping (If Applicable)

(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)

Swale (Cobble Stone/Grass)	EA	@	\$	=	\$
	EA	@	\$	=	\$
	EA	@	\$	=	\$
	EA	@	\$	=	\$
	EA	@	\$	=	\$

***items in this section are not subject to defect warranty financial assurance

Section 3 Subtotal = \$ 13,300.00

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) (Inc. survey to verify detention pond volumes.)		\$	500.00
Construction Financial Assurance Total	=	\$	21,783.60
(Sum of all Section Totals)			
Public Improvements Total* **		\$	4,435.60
Defect Warranty Financial Assurance Total	=	\$	887.12
(20% of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)			

Approvals

I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the approved Construction Drawings associated with the Project.

Engineer

Date



Approved by Owner / Applicant

Date

1/10/19

Approved

by Elizabeth Nijkamp
El Paso County Planning and Community Development
on behalf of Jennifer Irvine, County Engineer, ECM Administrator



Approved by El Paso County Engineer / ECM Administrator

02/13/2019 8:45:20 AM